

A-Form of Cytoplasmic Domain of nARIA (CRD-neuregulin) And
Uses Thereof

Abstract of the Disclosure

^{nARIA-based} ^{defining}
This invention provides ~~an~~ assays for ~~diagnosing~~, whether a
subject has or is predisposed to developing a neoplastic
disease, ~~which comprises:~~ a) ~~obtaining a biological sample~~
from the subject; b) contacting the sample with an agent
10 that detects the presence of an extracellular domain of
nARIA (CRD-neuregulin) or an isoform thereof; c) measuring
the amount of agent bound by the sample; d) comparing the
amount of agent bound measured in step c) with the the
amount of agent bound by a standard normal sample, a higher
15 amount bound by the sample from the subject being indicative
of the subject having or being predisposed to developing a
~~neoplastic disease. One embodiment of This invention~~ ^{further providing} ~~is a~~
^{nARIA-based} method for maintaining synaptic connections between a neuron
and a target cell comprising contacting the target cell ~~with~~
20 ~~an nARIA polypeptide or a nucleic acid molecule encoding~~
~~nARIA in an amount sufficient to induce the formation of a~~
~~synaptic junction.~~



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And Uses Thereof

5 Abstract of the Disclosure

This invention provides nARIA-based assays for defining whether a subject has or is predisposed to developing a neoplastic disease. This invention further provides a nARIA-based method for maintaining synaptic connections between a neuron and a target cell.